



CARLETON UNIVERSITY

Ottawa, Ontario

Canada

*127th Convocation
Installation of the President and Vice-Chancellor
David W. Atkinson
Saturday November 12, 2005*



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Carleton University
2005 Fall Convocation

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Doctor of Philosophy from the Faculty of Engineering and Design and the Faculty of Science; Master of Applied Science; Master of Engineering; Master of Science; Master of Computer Science; Master of Architecture; Bachelor of Architectural Studies; Bachelor of Engineering; Bachelor of Science (Honours); Bachelor of Science; Bachelor of Mathematics (Honours); Bachelor of Mathematics; Bachelor of Computer Science (Honours)	
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Convocation at Carleton University

The Convocation ceremony (the calling together of the academic assembly) has its roots in university traditions of medieval Europe.

The Mace

The mace is a staff symbolizing authority. In the days of knighthood, it was a weapon, but after the 16th century it became solely a symbol of authority carried by a distinguished member of an assembly. It is used on ceremonial occasions to signify the right of an individual or institution to perform a certain function—in the case of universities, to grant degrees.

At Convocation, the mace is carried ahead of the Chancellor as he enters and leaves each ceremony. During the ceremony the mace is displayed on a special stand as an embodiment of the authority of the University.

Carleton's mace was presented to the University in 1976 as a gift from the Chair of the Board of Governors at that time, Mr. Hyman Soloway. It is a silver-plated staff approximately three feet long. At the upper end there is a bowl marked with the University's coat of arms and the University motto in both Latin and English— "Opera Nobis Aeterna" and "Ours the Task Eternal." From the upper portion of the bowl rises a phoenix. Traditional oak leaves surround the lower end of the staff.

Coat of Arms

The coat of arms was presented to the University by His Excellency The Right Honourable Ramon John Hnatyshyn, Governor General of Canada, on November 15, 1992, as part of Carleton's 50th anniversary celebrations. It is described in heraldic terms as follows: "Sable a maple leaf Gules irradiated and charged with an open book Argent; And for a Crest: on a wreath Argent Sable and Gules a Phoenix Gules quilled and beaked Or issuing from flames proper; And for a Motto: Ours the Task Eternal; And for Supporters: on a grassy mount on either side a raven Sable beaked and membered or armed Gules."

The open book on the maple leaf signifies that Carleton University is in the nation's capital and that learning is open to all who wish to partake of it. The phoenix, the legendary eternal bird, symbolizes the renewing of learning from older foundations, in recognition of Henry Marshall Tory's role in the founding of the University when he was 78 years old. "Ours the Task Eternal" is taken from a Walt Whitman poem entitled "Pioneers" and ties in with the eternal quality of the phoenix.

And so, the Carleton University coat of arms symbolizes sound learning, good citizenship, and the highest hopes of humanity.

The Diploma

The diploma the graduates receive at Convocation is the certificate of qualification which publishes the fact that the student has fulfilled all the requirements and completed the prescribed course of study for the degree. As the senior academic legislative body of the University, it is the Senate which has determined whether the requirements have been met. The signatures of both the Chancellor and the President of the University appear on the diploma: the Chancellor because of his role in conferring the degree, and the President who, as Chair of Senate, certifies that Senate has enacted the required motion to award the degree. The Seal of the University is affixed to the diploma as a mark of authentication.

Academic Dress

The academic dress of Carleton University results from a compromise between that found in the ancient foundations of Britain and Canada and the American Intercollegiate Code. All three hoods—bachelor's, master's, and doctor's—are of the simple or Oxford shape. The bachelor's hood is made of black stuff; the master's and doctor's are made of black silk and all are lined with silver silk with two chevrons, one of red and one of black. From bachelor's to doctor's, the hoods are progressively longer and opened to show more and more of the lining.

The velvet border of the hoods denotes the degrees granted according to the following colour combinations: applied science is orange with a black cord sewn slightly in from the lower border; architecture is cerise; architectural studies is cerise with a black cord sewn slightly in from the lower border; arts is white; commerce is camel brown; computer science is royal blue; engineering is orange; humanities is white with a red cord sewn slightly in from the lower border; industrial design is dark cardinal; international business is camel brown with a red cord sewn slightly in from the lower border; journalism is white with a black cord sewn slightly in from the lower border; management studies and business administration is camel brown with a black cord sewn slightly in from the lower border; mathematics is hunter green; music is venetian pink; public administration is peacock blue; public affairs and policy management is teal with a gold cord sewn slightly in from the lower border; science is golden yellow; social work is cream; and doctor of philosophy is purple.

The master's and bachelor's gowns, to be worn with the above hoods, are of full length, made of black stuff, with a gathered yoke behind, and long open-fronted sleeves. The doctoral gown is of full-style, made of fine royal blue cloth with facings of light blue silk, with a full gathered yoke behind, and closed sleeves with an opening at the elbows.

The two shades of blue in the doctoral gown are those of the United Nations, and are meant to recognize the University's long-standing interest, from its earliest years, in international affairs and issues. The colours were chosen when the University awarded its first honorary degree, in 1954, to the second Secretary-General of the United Nations, the late Dag Hammarskjöld. The tradition of awarding honorary degrees to Secretaries-General of the United Nations has continued since that time.

The gown of the honorary Doctor of Laws, Literature, Music, Science, Engineering, Architecture or Fine Arts is a full robe with bell-shaped sleeves. It is made of fine royal blue cloth with facings and sleeves in light blue silk. The hood is made of the same material as the gown, has the same lining as that for the degrees granted by examination, and is bordered with dark mauve for the degree of Doctor of Laws; vibrant blue for the degree of Doctor of Literature; venetian pink for the degree of Doctor of Music; red for the degree of Doctor of Science; orange for the degree of Doctor of Engineering; cerise for the degree of Doctor of Architecture; and dark cardinal for the degree of Doctor of Fine Arts.

The Presiding Officer of the Convocation Ceremonies is the Chancellor of the University, Marc Garneau, C.C., C.D., B.Sc., Ph.D., LL.D., P.Eng.

Accompanying him on the podium are Margaret Bloodworth, B.A., LL.B., Chair of the Board of Governors, and David W. Atkinson, B.A., M.A., Ph.D., President and Vice-Chancellor.

Assisting the Chancellor are:

Brian C. Mortimer, B.Sc., M.Sc., Ph.D.
Associate Professor of Mathematics
Assistant Provost and Clerk of Senate
and Marshal of Convocation

Robert C. Burk, B.Sc., M.Sc., Ph.D.
Associate Professor of Chemistry
Director of the College of Natural Sciences
and Associate Marshal of Convocation

Donald L. Bailey, B.Eng., M.Eng.
Instructor in Engineering
and Beadle of Convocation

Frederick A. Michel, B.Sc., M.Sc., Ph.D.
Associate Professor of Earth Sciences
and Environmental Science
and Beadle of Convocation

Bryan Tinlin, B.A., M.E.S.
Academic Adviser, Student Academic Success Centre
and Beadle of Convocation

Cathy Pearen
Deputy Clerk of Senate and Ceremonials Officer

Tony Begin
Special Events Co-ordinator
University Communications

Carleton University is a national leader in providing high-quality post-secondary education to over 23,000 full- and part-time students at the undergraduate and graduate levels. Located in Canada's capital, Carleton has revitalized its commitment to academic excellence in public affairs and management and high technology while continuing to offer strong degree programs in arts, social sciences, science, and engineering and design.

Also assisting at Convocation:

Suzanne Blanchard, B.Comm.
University Registrar

Linda Backer
Assistant Dean/Registrar
Faculty of Graduate Studies and Research

Carol Corkran, Co-ordinator
Graduate Registrarial Services
Faculty of Graduate Studies and Research

Judy Bowman
Jennifer Comeau
Maureen Fagan
Christina Farago
Lee Hull, B.A.
Registrarial Assistants, Faculty of Graduate Studies
and Research

Lisa Ralph, Associate Registrar
Registrar's Office

Dianne Baird
Andrew Breedyk, B.P.A.
Elizabeth Carrier
Jerrett Clark, B.A.
Louise DeCristoforo
Susan Dunsmore
Dina Elatawi, B.A.
Dotty Guoti, B.A.
Lera Islam, B.A.
Kathleen Kazmierczak, B.A.
Carolyn Kibsey, B.A.
Valentina Leon, B.A.
William Miklas
Judy Sakell, B.Comm.
Judith Srna, B.A.
Chandra Stratton, B.A.
Janice Taylor
Lisa Tsotroudis, B.A.
Jeffrey Wiser
Registrar's Office

Wanda Jackson
Pamela Mallon
Office of the President

Ann Anderson, B.A.
Nanci Jolicoeur
Lin Moody, B.J., M.A.
Cindy Robinson, B.A., M.A.
University Communications

Brynnna Leslie, B.J.
Kathleen Nicholson, B.A.
Chana Perera, M.A.
Carleton University Alumni Association

Margo Thomas
Senate Office

*Installation of the President and
Vice-Chancellor*



**David W.
Atkinson**

**David W. Atkinson,
B.A., M.A., Ph.D.**

David W. Atkinson was born in England but immigrated to Canada with his parents when very young. His family first lived in Saskatchewan but soon moved to Calgary, Alberta, where Atkinson grew up. He attended Indiana University on an athletic scholarship, where he was an NCAA All-American in Cross Country. Atkinson completed his B.A. at the University of Calgary and subsequently went on to earn an M.A. and Ph.D. in English.

Dr. Atkinson was a faculty member at the University of Lethbridge from 1976 to 1991, where he took on increasingly senior administrative positions, including Chair of the Department of Religious Studies, Associate Dean of Arts and Science, Dean of Student Affairs, and Associate Vice-President (Academic). During this period, he was also Visiting Professor of Canadian Studies at Hokkaigakuen University in Sapporo, Japan. In 1991, he was appointed Dean of Arts and Science at the University of Saskatchewan. In 1997, he was appointed the fourth President of Brock University, a position he held until his arrival at Carleton. Dr. Atkinson was appointed President and Vice-Chancellor of Carleton University on August 1, 2005.

Order of Proceedings

Saturday, November 12, 2:00 p.m.

Chancellor Marc Garneau, C.C., C.D., B.Sc., Ph.D., LL.D., P.Eng., presiding.

(The audience is requested to stand when the Academic Procession arrives, to remain standing until 'O Canada' has been sung, and at the conclusion of the ceremony to remain until the Academic Procession has left.)

Processional Music

John Robert Coghill Jr., B.Mus. (bagpipes)

Garry Matthews (snare drum)

Craig Moffatt (bagpipes)

O Canada*

(the audience is invited to sing)

Welcome by the Master of Ceremonies

Alan Harrison, B.A., M.A., Ph.D.

Provost and Vice-President (Academic)

Welcome by the Chancellor

Welcome by the Chair of the Board of Governors

Margaret Bloodworth, B.A., LL.B.

The Oath of Office will be administered to David William Atkinson, B.A., M.A., Ph.D., President and Vice-Chancellor, by the Chair of the Board of Governors.

THE CHAIR OF THE BOARD OF GOVERNORS WILL ASK:

Do you, David William Atkinson, promise to perform the duties of President and Vice-Chancellor of Carleton University as prescribed by law and by the statutes of the University, and do you pledge that you will defend the rules and promote the welfare of the University and the members thereof?

THE PRESIDENT-DESIGNATE WILL RESPOND:

I do.

THE CHAIR OF THE BOARD OF GOVERNORS WILL SAY TO THE CHANCELLOR:

Mr. Chancellor, on behalf of the Board of Governors and the Senate, I ask you to install David William Atkinson as President and Vice-Chancellor of Carleton University.

Installation of the President and Vice-Chancellor by the Chancellor of the University

THE CHANCELLOR WILL SAY:

In the name of Carleton University, I now install you, David William Atkinson, in the office of President and Vice-Chancellor of Carleton University, and I invest you with the authority and charge you with the responsibilities pertaining to that office. I now call upon Sarah Casteel and Dana Dragunoiu, representing the Department of English Language and Literature, to robe you.

Robing of the President and Vice-Chancellor

by Sarah Casteel, B.A., M.A., M.Phil., Ph.D., Assistant Professor of English Language and Literature, and Dana Dragunoiu, B.A., M.A., Ph.D., Assistant Professor of English Language and Literature.

Address of the President and Vice-Chancellor

Conferring of Degrees by Examination

Warrant

Brian Mortimer, B.Sc., M.Sc., Ph.D.
Clerk of Senate

Awarding of the Medals

Remarks of the Alumni Association
Maurice W. Quinn, B.Eng.

Conclusion by the Master of Ceremonies

Recessional Music

**see next page for wording*

O Canada

*O Canada! Our home and native land!
True patriot love in all thy sons command.
With glowing hearts we see thee rise,
The True North strong and free!
From far and wide, O Canada,
We stand on guard for thee.
God keep our land glorious and free!
O Canada, we stand on guard for thee.
O Canada, we stand on guard for thee.*

*O Canada! Terre de nos aïeux,
Ton front est ceint de fleurons glorieux.
Car ton bras sait porter l'épée,
Il sait porter la croix.
Ton histoire est une épopée,
Des plus brillants exploits.
Et ta valeur, de foi trempée,
Protégera nos foyers et nos droits.
Protégera nos foyers et nos droits.*

Recipients of Degrees

Doctor of Philosophy

(presented by Professor Roger Blockley,
Dean of the Faculty of Graduate
Studies and Research)

Daniel Corriveau

B.Eng., M.Eng.

Aerospace Engineering
Influence of Loading Distribution
on the Performance of High Pressure
Turbine Blades
Supervisor: S. A. Sjolander

Stephen Keir Roberts

B.Eng., M.App.Sc.

Aerospace Engineering
Boundary Layer Transition in
Attached and Separated Flows at
Low Reynolds Numbers
Supervisor: M.I. Yaras

Vietanh Phung

B.Civil Eng., M.Eng.

Civil Engineering
Strong Ground Motions for Bridge
Design and Non-Linear Dynamic
Response Analysis of Bridges
Supervisors: G. Atkinson and
D. T. Lau

Sarah Jayne Taylor

B.Eng., M.App.Sc.

Civil Engineering
Development of a Bayesian Decision
Theory Framework to Enhance the
Design of Rear-End Collision
Warning Systems
Supervisors: A. Khan and S. Easa

Rony Everildo Amaya

B.Eng., M.Eng.

Electrical Engineering
Overcoming the Limitations of
Silicon MMICs
Supervisors: C. Plett and N. G. Tarr

Saied Hemati

B.Sc., M.Sc.

Electrical Engineering
Iterative Decoding in Analog VLSI
Supervisors: C. Plett and
A.H. Banihashemi

Reza Kalbasi

B.Sc., M.Sc.

Electrical Engineering
Frequency Domain Processing
for Multiple Input Multiple Output
Channels

Supervisors: D.D. Falconer and
A.H. Banihashemi

Charn Leung David Lo

B.Eng.Sc., M.Eng.Sc.

Electrical Engineering
Multimodal Talker Localization in
Video Conferencing Systems
Supervisors: R. Dansereau and
R. Goubran

Gerardo Romo Luévano

B.Sc., M.App.Sc., M.Sc.

Electrical Engineering
Time-Domain Simulation of
Electromagnetic Band-Gap
Structures Using the TLM Method
Supervisor: T. Smy

Amgad Salama

B.Sc., M.Eng.

Environmental Engineering
Theoretical, Experimental and
Numerical Investigation of Flow and
Solute Transport in Saturated Porous
Media Subjected to Violation to the
Continuum Hypothesis
Supervisor: P. Van Geel

Dianjun Yao

B.Sc., M.Sc.

Chemistry
Studies on the Structure and
Morphology of Perylene Containing
Polymers
Supervisor: P. Sundararajan

Jo-Anne Stafford Goodwin-Bell

B.Sc., M.Sc.

Earth Sciences
Metamorphic Petrology of Siliceous
Marbles and Associated Gneissic
Rocks in the Grenville Province of
Southeastern Ontario
Supervisor: G. Skippen

Taeke Thomas Hadlari*B.Sc.*

Earth Sciences

Sedimentology and Sequence Stratigraphy of the Baker Lake Sub-Basin, Nunavut: Evolution of a Paleoproterozoic Rift Basin
Supervisors: R. Rainbird and J. A. Donaldson

Alana Maxine Hinckley*B.Sc., M.Sc.*

Earth Sciences

Thor-odin Dome: Constraints on Paleocene- Eocene Anatexis and Deformation, Leucogranite Generation and the Tectonic Evolution of the Southern Omineca Belt, Canadian Cordillera
Supervisor: S. Carr

Yuliya Martsynuk*B.Math., M.Math.*

Mathematics

Invariance Principles via Studentization in Linear Structural and Functional Error-in-Variables Models
Supervisor: M. Csörgö

Biao Wu*B.Sc., M.Econ.*

Mathematics

Interacting Systems and Subordinated Systems in Time-Varying and Random Environments
Supervisor: D. Dawson

Lesley Ann Buckley*B.Sc., M.Sc.*

Physics

Specialization in Medical Physics An EGSnrc Investigation of Correction Factors for Ion Chamber Dosimetry
Supervisor: D. Rogers

Richard Wassenaar*B.Sc.*

Physics

Specialization in Medical Physics Extravascular Density Imaging for Regional Partial Volume Correction of ¹⁸FDG Cardiac PET Images
Supervisor: R. deKemp

Master of Applied Science

(presented by Professor Roger Blockley,
Dean of the Faculty of Graduate
Studies and Research)

John Andrew Carryer*B.Sc.*

Aerospace Engineering
Intelligent Agent Control of an Unmanned Aerial Vehicle

Roni Daher*B.Eng., M.Eng.*

Aerospace Engineering
Application of Artificial Intelligence in Gas Turbine Control and Modelling

Mihaela Jekic*B.Eng.*

Aerospace Engineering
Development of an Infrared Absorption Tomography Instrument for Temporally and Spatially Resolved Fuel Concentration Measurements

Stephen Christopher Kenny*B.Eng.*

Aerospace Engineering
Development of a Multi-Disciplinary Design Tool for Axial Flow Turbines

Aaron Kombai Knoll*B.Eng.*

Aerospace Engineering
Simulation of High Frequency Plasma Oscillations Within Hall Thrusters

Ivan Popovic*B.Eng.*

Aerospace Engineering
Measured Steady and Unsteady Aerodynamic Performance of a Family of Three Highly-Loaded Low-Pressure Turbine Cascades

Andrew Allan Bryan Cameron Rader*B.Eng.*

Aerospace Engineering
Optimization of Piezoelectric Actuator Configuration on a Flexible Fin for Vibration Control Using Genetic Algorithms

Mohammad Alauddin Ahammed*B.Sc.*

Civil Engineering

Freeway Merging Behaviour and Safety of Acceleration Lanes: Field Study

Shougui Huang*B.Eng.*

Civil Engineering
Modal Testing and Model Updating of a Steel Bridge Pier Frame

Paramaguru Logeswaran*B.Sc.*

Civil Engineering
Behaviour of Sands Under Simultaneous Changes in Volume and Pore Pressure

Ahmed Abo El -Khair Bayoumy*Mostafa**B.Sc.*

Civil Engineering
Development of a New FRP Anchor for Externally Bonded CFRP Sheet/Laminate to Beams

Liaquat-Ali Syed*B.Eng.*

Civil Engineering
Experimental Investigation of Vehicle's Lateral Acceleration on Highway Horizontal Curves

Justin Philip Abbott*B.Eng.*

Electrical Engineering
A High Frequency Receive Equalizer

Richard Michel Alexandre Abela*B.Eng.*

Electrical Engineering
Characteristics and Performance of Various VDSL RFI Suppression Techniques

Samer Abielmona*B.Appl.Sc.*

Electrical Engineering
Investigation of Low Phase Noise Microwave Oscillators with LTCC Integration

Ahmed Humaid Alsuwaidi*B.Sc.*

Electrical Engineering
Evaluation of Two Wireless Communication Standards for Public Safety and Security (PSS) Networks

Neal Arthorne <i>B.Eng.</i> Electrical Engineering Peer-to-Peer Data Integration Using Distributed Bridges	Kevin Lam <i>B.Eng.</i> Electrical Engineering A Scene Learning and Recognition Framework for RoboCup Clients	Yasser Khairat Soliman <i>B.Sc.</i> Electrical Engineering A CMOS Low Noise Amplifier for Impulse Radio Ultra-Wideband Applications
Bengu Bala Balya <i>B.Sc., M.Sc.</i> Electrical Engineering An Enhanced OSPF Routing Protocol in Wireless Mesh Networks with Rayleigh/Ricean Fading	Hui Li <i>B.Eng., M.Eng.</i> Electrical Engineering Assessment of Two AI Approaches to Predict Mortality in Adult Intensive Care Units	Michał Marcin Sówka <i>B.Eng.</i> Electrical Engineering Technique and Automation for Testing of Commercial-off-the-Shelf Components
Alexander Scott Campbell <i>B.Sc.</i> Electrical Engineering Improvements to Stochastic Multiple Model Adaptive Control: Hypothesis Test Switching and a Modified Model Arrangement	Frédéric Massicotte <i>B.Sc., M.Sc.</i> Electrical Engineering Using Object-Oriented Modeling for Specifying and Designing a Network-Context Sensitive Intrusion Detection System	Adrian Alexander Taylor <i>B.Sc.</i> Electrical Engineering Synthetic Doppler for Precise Indoor Geolocation
James Chiu <i>B.Eng.</i> Electrical Engineering A Fully Differential CMOS Charge Pump and VCO at High Frequency	Igor Miletic <i>B.Eng.</i> Electrical Engineering Quantization Noise Reduction in PLLs Using Multiphase VCOs	Hua Yang <i>B.Eng.</i> Electrical Engineering Modeling of Needle Insertion Forces for Haptics-based Surgical Simulation
Nian Nian Ding <i>B.Eng.</i> Electrical Engineering Data Gathering and Communication for Wireless Sensor Networks Using Ant Colony Optimization	Asif Muhammad <i>B.Sc.</i> Electrical Engineering Load Sharing in Call Server Clusters	Kai Guo <i>B.Eng.</i> Materials Engineering Fatigue Analysis of Laser-Welded Aircraft Structures
Jacek Piotr Dmochowski <i>B.Eng.</i> Electrical Engineering Combined Beamforming and Noise Cancellation	Natalie M. Nakhla <i>B.Eng.</i> Electrical Engineering Analytical Algorithms for Macromodeling and Sensitivity Analysis of High-Speed Interconnects	Ba He <i>B.Eng.</i> Materials Engineering Computer Modeling of Weld Joint Microstructure and Residual Stresses
Bin Dong <i>B.Eng., M.Eng.</i> Electrical Engineering The Impact of UML Documentation on Software Maintenance: An Experimental Evaluation	Hitaish Sharma <i>B.Appl.Sc.</i> Electrical Engineering Automated Time Domain Modeling of Linear and Nonlinear Microwave Circuits Using Recurrent Neural Networks	Wei Xu <i>B.Eng.</i> Materials Engineering The Influence of Chemical Composition and Heat Treatment on Microstructure and Mechanical/Tribological Properties of Cobalt-based Tribaloy Alloys
Mark Philip Houlgate <i>B.Eng.</i> Electrical Engineering Adaptable MOS Current Mode Logic for Multi-Band Frequency Synthesizers	Gurpreet Shinh <i>B.Eng.</i> Electrical Engineering Closed-Form Macromodels for Analysis of High-Speed Interconnects in the Presence of Electromagnetic Fields	Yanjuan Zhao <i>B.Eng.</i> Materials Engineering Testing a Criterion for Dislocation Nucleation Using Molecular Dynamics Simulations of Nano-Indentation
Stephen Huge Knox <i>B.Eng.</i> Electrical Engineering A Low Voltage 5.2 GHz LNA with an On-Chip Tunable Image Filter		

Daniel Pierre Brassard <i>B.Eng.</i> Mechanical Engineering A 2D Transverse Vortex Wind Tunnel for PIV Investigation of Airfoil Vortex Interaction	Jiewu Li <i>B.Eng., M.Eng.</i> Civil	Dinesh Mohan <i>B.Eng.</i> Telecommunications Technology Management Standards Creation Involvement in a Large Telecom Product Development Company: A Grounded Theory
Marc Robert Joseph Charest <i>B.Eng.</i> Mechanical Engineering Design Methodology for a Lean Premixed Prevaporized Can Combustor	Mahmud Akhter Shareef <i>B.Sc., M.B.A.</i> Civil	
Timothy Johnson Luu <i>B.Appl.Sc.</i> Mechanical Engineering Integrated Type and Approximate Dimensional Synthesis of Four-Bar Planar Mechanisms for Rigid Body Guidance	Arun Kumar Singh <i>B.Tech.</i> Civil	Master of Science <i>(presented by Professor Roger Blockley, Dean of the Faculty of Graduate Studies and Research)</i>
Jie Qu <i>B.Sc., M.Eng.</i> Mechanical Engineering T-Stress Solutions for Three-Dimensional Cracked Components	Mona M. N. Eskander <i>B.Sc.</i> Electrical	Carissa Deanne Brown <i>B.Sc.</i> Biology The Effects of Historical Land Use on Woodlot Vegetation in Eastern Ontario, Canada
Ishraq Shabib <i>B.Sc.</i> Mechanical Engineering Multiscale Modeling of the Indentation of Nickel-Aluminum Nano-layers	Thomas Olivier Pierre Fletcher <i>B.Eng.</i> Electrical	Amanda Friis Dam <i>B.Sc.</i> Biology Landscape Structure Affects Different Eastern Ontario Anuran Species at Different Spatial Scales
Romeo-Florin Stanescu <i>B.Eng.</i> Mechanical Engineering A Single Pass Butt-Welded Pipe Finite Element Method Computer Simulation	Irfan Ahmad <i>B.Sc.</i> Telecommunications Technology Management Commercialization Strategy and Performance of Technology Startups	Keqin Yan <i>B.Sc., M.Sc.</i> Biology Glucose Regulated Protein and Heat Shock Protein Expression in Hibernating Mammals
Master of Engineering <i>(presented by Professor Roger Blockley, Dean of the Faculty of Graduate Studies and Research)</i>	Owais Iqbal Ahmed <i>B.Eng.</i> Telecommunications Technology Management Migrating from Proprietary to Open Source Learning Content Management Systems	Jun Du <i>B.Sc., M.Sc.</i> Chemistry Anti-Apoptotic and Antioxidant Defenses in the Freeze Tolerant Wood Frog, <i>Rana Sylvatica</i>
John Bernard Holland <i>B.Sc.</i> Aerospace	Muhammad Ashraf <i>B.Sc.</i> Telecommunications Technology Management Using Theoretical Perspectives to Examine the Adoption of Mobile Internet and Wireless Payments Services	Catherine Anne Murimboh <i>B.Sc.</i> Chemistry New Insights on the Chemical Speciation of Nickel and Copper in a Naturally Metal-Rich Soil from the Thetford Mines Area, Quebec
Osman Mahmoud Ali <i>B.Sc.</i> Civil	Alexander (Sandy) George Davidson <i>B.Eng.</i> Telecommunications Technology Management Early Stage Resource Allocation in Specialized Supplier Firms	Laura Stuart <i>B.Sc.</i> Chemistry Stereochemical Analysis of Naturally Occurring Cyclopropyl Fatty Acids
Ying Hu <i>B.Eng., M.Sc.</i> Civil		

Wanda Michelle Carter <i>B.Sc.</i>	David Gains <i>B.Math.</i> Mathematics Monoid Pictures and Finite Derivation Type	Patrick Clancy Gilbride <i>B.Sc.</i> Psychology Specialization in Neuroscience Behavioural Limits of Auditory Temporal Resolution in the Rat: Duration Discrimination and the Role of the Ventral Nucleus of the Lateral Lemniscus
Andrew Mark Lindsay <i>B.A.</i> Geography Comparison of Three Field Methods for Forest Canopy Closure Modelling with Landsat Imagery	Yunze Hao <i>B.Eng.</i> Mathematics	Kathy Michaud <i>B.Sc.</i> Psychology Specialization in Neuroscience Relations Between Early Life Bonding and Adverse Experiences with Both Symptoms of Depression and Diurnal Cortisol Patterns: Contributions of Contingencies of Self-Worth and Coping
Jonathan Pasher <i>B.Sc.</i> Geography Modelling and Mapping Potential Hooded Warbler (<i>Wilsonia citrina</i>) Habitat Using Remote Sensing	Rong Huang <i>B.Sc.</i> Mathematics	Priya Prakash <i>B.Sc.</i> Psychology Specialization in Neuroscience Neuroendocrine and Behavioural Alterations Elicited by Chronic Unpredictable Stressor Challenges in Stressor-Susceptible and Resilient Mouse Strains
Birgit Agaard Woods <i>B.Sc.</i> Geography Geo-Visualization for Geo-Science Education	Elena Tipenko <i>B.Math.</i> Mathematics	
Mohammad Reza Nassaji-Matin <i>B.Sc.</i> Information and Systems Science Using R-ACM Method in QOS-Based Routing	Nishard Abdeen <i>B.Sc., M.D.</i> Physics Specialization in Medical Physics Measurement of Xenon Diffusing Capacity by Hyperpolarized ^{129}Xe MR Imaging and Dynamic Spectroscopy in Rats with <i>Stachybotrys Chartarum</i> Spore Induced Pneumonitis	
Lili Qi <i>B.Med.</i> Information and Systems Science Evaluation of an Artificial Neural Network Tool for Neonatal Intensive Care Units	Lourdes Maria Garcia-Fernández <i>B.Sc.</i> Physics Specialization in Medical Physics Fitting the Linear-Quadratic Model to Detailed Data Sets for Different Dose Ranges	Master of Computer Science <i>(presented by Professor Roger Blockley, Dean of the Faculty of Graduate Studies and Research)</i>
Baohua Zhang <i>B.Sc.</i> Information and Systems Science SDP Based Simulated Annealing on Bandwidth Reservation with Multi-Path Routing	Louise Anne Heelan <i>B.Sc.</i> Physics Specialization in High Energy Physics A Search for Periodic Time Variations in the Solar Neutrino Data From the Sudbury Neutrino Observatory	Eric Gervais <i>B.C.S.</i> Dynamap, A Mobile and Context-Aware Pedestrian Navigation Application
Waleed Amareen <i>B.Sc., M.Sc.</i> Mathematics	Elena Tonkopi <i>B.Sc.</i> Physics Specialization in Medical Physics Monte Carlo Investigation of the Influence of Ion Chamber Response on In-Air Measurements in Megavoltage Photon Beams	Mohammad Abdul Mannan <i>B.Sc.</i> Secure Public Instant Messaging
Orly Brion <i>Dip., M.Sc.</i> Mathematics	Carys Alana Carrington <i>B.Sc.</i> Psychology Specialization in Neuroscience Anti-Epileptic Effect of Low Frequency Stimulation Using the Kindling Model	Meenal Nagappan <i>B.Sc.</i> Aspect-Oriented Refactoring to Patterns
Xiaohong Chen <i>B.Sc., M.Sc.</i> Mathematics		Mark Joseph Northcott <i>B.C.S.</i> Managing Dependencies and Constraints in Assembled Software Systems

Smitha Srinivasan <i>B.Eng.</i> A Frame-Based Arbitration and Scheduling Technique for Multiprocessor Video-On-Demand Systems	Loretta Hew Yan Kong <i>B.Arch.St.</i> Building Upon Weakness: Exploring the Productivity of Weak Architecture	Raj Rana <i>B.Arch.</i> The Architecture(s) of Nation-Building
Miloš Stojmenović <i>B.C.S.</i>	Janouque LeRiche <i>B.Arch.St.</i> Between Time and Timbuktu: The Subversion of Meaning in Architecture	Mark Tyson Rosen <i>B.Arch.St.</i> Animate Experience The Architectural Potential of Digital Media in Duration
Daming Xu <i>B.Sc., M.Sc.</i> Well-Separated Pair Decompositions for Doubling Metric Spaces	Michelle Dawn Lee <i>B.Arch.St.</i> Infiltrating Montréal Through the Apartment-Hotel: The Anticipated Mystery and Strange Familiarity of Inhabiting the Visited City	Patricia Salik <i>B.Arch.St.</i> Totum ex Parte
Master of Architecture	Dan Levin <i>B.Arch.St.</i> Engaging the Highway: Highway Infrastructure and the Contemporary City	Benjamin Mark T. Thomas <i>B.Arch.St.</i> The "Playground" Project
<i>(presented by Professor Roger Blockley, Dean of the Faculty of Graduate Studies and Research)</i>	Eric Li <i>B.Arch.St.</i> Do Utopias Require Fire Exits?	Tam Tran <i>B.Arch.St.</i> Reflections on Water: Community Productions in Cai Lay, Vietnam
Dina Kasim Alhussaini <i>B.Arch.St., B.Sc.</i> Design in Nature and Architecture	Amanda B. McDonald <i>B.Arch.St.</i> Housing Memory	Nicholas Waissbluth <i>B.Arch.St.</i> Practices of the Event
Tommy R. Bonhomme <i>B.Arch.St.</i> Generating a Contemporary Sustainable Landscape	Ryan Angus McLennan <i>B.Arch.St.</i> The Architecture of Hysteria: Speculative and Analytic Representations Through the Anamorphic Lens	Bachelor of Architectural Studies
Roberto Campos <i>B.Arch.St.</i> Drawing: A Palimpsest for Architecture	Michael J. Miller <i>B.Arch.St.</i> The Consumption of Mortality	<i>(presented by Professor M. Frascari, Director of the School of Architecture)</i>
Frank Chang <i>B.Arch.St.</i> Mediation	Jason Peter Morgan <i>B.Arch.St.</i> The Big-Box in the Small Town	John N. Blas-Cabezas
Rebecca Fernando <i>B.Arch.St.</i> Temporary Road	Hai Ha Nguyen <i>B.Sc.</i> Sense of Home	Jonathan Lackner <i>with high distinction</i>
Jayant Gupta <i>B.Arch.St.</i> Resisting the Reign of Technocracy: The [Re]turn Towards Civic Space	Grant Thomas Oikawa <i>B.Arch.St.</i> Anachronistic Space and an Architecture of Allegory	Hin Sing Mak
James Arthur Hayes <i>B.Sc.</i> Digital Fabrication in the Production of Affordable Housing	Padmavathi Parthasarathy <i>B.Arch.</i> Evolutionary City and the New Media An Exploration of the City of Delhi	Krzysztof Ryszard Michalik
Bobby Ilg <i>B.E.D.</i> Stories I Must Tell: An Architectural Exploration		AEROSPACE
		Milenka Mitrović <i>with distinction</i>
		Senthil K. Sinnadurai

CIVIL	Akram Adnan Saleh	Patricia Mattice
Adewunmi Olufunbi Ashaye Concentration in Management	Ahilan Sathiabal	Honours Biology
COMMUNICATIONS	Yasotha Thavarajah	Alison Margaret Holmes Moore <i>B.Sc.</i>
Yashar Dastafshar	MECHANICAL	Honours Psychology
Mohammed Houache Co-operative Education <i>with distinction</i>	Mark Stephen Hartley <i>with distinction</i>	Nadia Mykytczuk Highest Honours Environmental Science Minor in Geography: Resource and Environmental Assessment Co-operative Education
Bassam Sanaallah	SOFTWARE	Rachel Anita Oommen Highest Honours Integrated Science Studies
COMPUTER SYSTEMS	Ayush Shrestha	Mark Pereira High Honours Chemistry
Taemoor Abbasi Co-operative Education <i>with distinction</i>	Bachelor of Science (Honours) (presented by Professor J.-G. Godin, Dean of the Faculty of Science)	Rebecca Julia Sadler Highest Honours Biochemistry Co-operative Education
Casey Billett	Mohamed Abdi Honours Psychology	Graydon Alexander Snider Highest Honours Chemistry Minor in Mathematics
Gloria Dian Greene	Brenda Lee Bailey Highest Honours Environmental Science Minor in Geographic Information Processing Co-operative Education	Jonathan Richard Waldron Honours Mathematics and Physics
Thanasiri Muttulingam Co-operative Education <i>with distinction</i>	Patricia Beaudin Honours Integrated Science Studies	Kerri Jean Widenmaier Highest Honours Environmental Science Minor in Biology Co-operative Education
Paul Willis Richardson	Eugenia Maria Escamilla-Duarte Honours Environmental Science	Jennifer Zymantas Highest Honours Biochemistry
Yang Guang Sun	Yamini Gopalapillai Highest Honours Biochemistry and Biotechnology Co-operative Education	Bachelor of Science (presented by Professor J.-G. Godin, Dean of the Faculty of Science)
David Edward Valentiate Co-operative Education <i>with distinction</i>	Jing Hua Huang Honours Biochemistry and Biotechnology	Valerie Dibowski Integrated Science Studies
ELECTRICAL	Iain M. Johnston Honours Chemistry and Physics	Jonathan Jacques Fernand Farley <i>B.A.</i> Integrated Science Studies
Subarajah Arasalingam	Erika Lindig Honours Psychology	
Mohammed Mostafa Chowdhury	Matthew James MacDonald Honours Psychology	
Milan Ducic Minor in Economics		
Mohamed Walid Elabd		
Afif Mohammed Hasan <i>with distinction</i>		
Ronak Jahangiri		
Dohyoung Lee <i>with high distinction</i>		
Mohamad Najm		
Pratheepan Rajadurai		
Satheesan Rajadurai		

Amy Irene Hiromi Hrdina
Chemistry

Ka Bo Joe Li
Integrated Science Studies

Nga Wai Grace Lauras Mok
Integrated Science Studies

Crystal Jane Perrier
Biology

Sivachelvi Selvaratnam
Integrated Science Studies

Bachelor of Mathematics (Honours)

(presented by Associate Professor
*M.J. Moore, Associate Director of the
School of Mathematics and Statistics*)

Ashah Al Barrak
High Honours
Mathematics

Adrian Chong
B.Math.
Honours
Computer Mathematics: Information
Technology

Alexei Chugunov
Honours
Computer Mathematics: Information
Technology

Lin Ma
Honours
Statistics

Thuy Khanh Van Nguyen
Honours
Computer Science and Mathematics
Specialization in Computing Theory
and Numerical Methods

James Alexander Overton
B.Hum., M.A.
Highest Honours
Mathematics

Bachelor of Mathematics

(presented by Associate Professor
*M.J. Moore, Associate Director of the
School of Mathematics and Statistics*)

Jordan David Bernick
Statistics
with distinction

Steven Patrick Burchill
Computer Mathematics

Ayan Ali Haji Egeh
B.Sc.
Mathematics

Gabriel Weah Jikpamu
Mathematics
Specialization in Applied Analysis

Hing Fung Lau
Mathematics

Frederick Richard Manfredi
Computer Mathematics

Kay Kin Yee Pang
Statistics

Mohammed Rahman
Computer Mathematics

Zhe Shen
Mathematics

Mangalagowry Thanikasalam
Computer Mathematics

Hiu-Shan Venus Tong
Mathematics

Thu Tran
Computer Mathematics

Ravendran Yogarajah
Computer Mathematics

Bachelor of Computer Science (Honours)

(presented by Professor D. Howe,
Director of the School of Computer
Science)

Vladimir Bradateanu
Honours
Software and Computing
Minor in Mathematics

David Finley Burris
High Honours
Software and Computing
Minor in Japanese
Co-operative Education

Jimin Chang
Honours
Software Engineering
Minor in Mathematics

Darcy James Dunne
High Honours
Software and Computing

Sophia S. W. Ho
Honours
Management and Business Systems

Xiaoju Ji
High Honours
Software and Computing
Co-operative Education

Matthew Alan Krull
Honours
Software and Computing

Ke Li
Highest Honours
Software and Computing
Minor in Mathematics

Yi Lin
Highest Honours
Software and Computing
Co-operative Education

Owen Frederick Marsh
High Honours
Software and Computing
Minor in Psychology

Gabriella Moroiu
High Honours
Software Engineering

Scott A. Moynes

Highest Honours

Network Computing

Co-operative Education

Srisuganthy Sandrasegaram

Honours

Software and Computing

Mei Tang

Highest Honours

Software and Computing

Co-operative Education

Robert Tang

Honours

Information Systems Security

Minor in Mathematics

Co-operative Education

Xiaokui Tong

Highest Honours

Software and Computing

Co-operative Education

Yu Wang

Honours

Software and Computing

Minor in Mathematics

HoKing Xu

Highest Honours

Software Engineering

Minor in Economics

Ning Zhou

Highest Honours

Software and Computing

Co-operative Education

*The following additions and/or corrections were made
by Senate after publication of the 2005 Spring
Convocation Program*

Master of Arts

Ke Xu
B.Econ.
Economics

Hong Zhao
B.A.
Applied Language Studies

Master of Applied Science

Alexandre F. Sauve
B.Eng.
Electrical Engineering
Automating the Application
Design Patterns Based on UML Models

Bachelor of Social Work (Honours)

Candace Hogg
Highest Honours

Christa Noel
High Honours

Bachelor of Arts (Honours)

Jeffrey Ryan Hebert
History

Jonathan Logan Karpetz
Film Studies

Bachelor of Arts

Ahlem Abdi Abdillahi
Economics

Amal Khalid Ahmed
Criminology and Criminal Justice
(Law)

John W. Ekhholm
Psychology
with distinction

David Albert Parkinson
Political Science
(Public Affairs and Policy Analysis)

Catherine Irene Mary St. Louis
English

Joanna Kelly Whitney
Law
with distinction

Caroline Elizabeth Gowdy Williams
English
with distinction

Bachelor of Commerce (Honours)

Pinar Ozdemir

Leslie McMillan

Mei Ling Ye

Bachelor of Engineering

Yanyun Lu

Bachelor of Journalism (Honours)

Shannon Paige Montgomery

Neal R. O'Reilly

Bachelor of Humanities (Honours)

Karla Ann Turkowsky

Senate Medal

Shannon Paige Montgomery
Bachelor of Journalism
Highest Honours

Medallists in the Graduating Class

The Governor General's Medal – Graduate Level

Awarded annually to the student standing at the head of the graduating class at the graduate level.

Donor: Her Excellency the Governor General of Canada

Madonna Rose Maidment

Doctor of Philosophy

Sociology

The Chancellor's Medal

Awarded in the name of the Chancellor of the University to a graduating student of outstanding academic achievement.

Graydon Alexander Snider

Bachelor of Science

Highest Honours

Chemistry

Minor in Mathematics

University Medal for Outstanding Graduate Work – Ph.D. Level

Awarded, when merited, for outstanding graduate work at the doctoral level.

Clint T. Curle

Doctor of Philosophy

Political Science

University Medal for Outstanding Graduate Work – Master's Level

Awarded, when merited, for outstanding graduate work at the master's level.

Natalie M. Nakhla

Master of Applied Science

Electrical Engineering

University Medals (Undergraduate)

Awarded, when merited, to the graduating students standing highest in architecture, architectural studies, arts, commerce, computer science, engineering, humanities, industrial design, interfaculty studies, international business, journalism, mathematics, music, public administration, public affairs and policy management, science, and social work.

University Medal in Architectural Studies

Jonathan Lackner

Bachelor of Architectural Studies

With High Distinction

University Medal in Arts

Benjamin John Liston

Bachelor of Arts

Highest Honours

English

Minor in History

University Medal in Arts

Caleb Lloyd

Bachelor of Arts

Highest Honours

Psychology

University Medal in Commerce

Veronika Alexa Burda

Bachelor of Commerce

Highest Honours

Concentration in Accounting

University Medal in Computer Science

Mei Tang

Bachelor of Computer Science

Highest Honours

Software and Computing

Co-operative Education

University Medal in the Humanities

Maria Elizabeth Gruending

Bachelor of Humanities

Highest Honours

Minor in Political Science

University Medal in Interfaculty Studies

Rachel Anita Oommen

Bachelor of Science

Highest Honours

Integrated Science Studies

University Medal in Mathematics

James Alexander Overton

Bachelor of Mathematics

Highest Honours

Mathematics

University Medal in Music

Alnoor Allidina

Bachelor of Music

Highest Honours

B.C.S.

University Medal in Science

Nadia Mykytczuk

Bachelor of Science

Highest Honours

Environmental Science

Minor in Geography: Resource and Environmental Assessment

Co-operative Education

Senate Medals

Awarded, when merited, to graduating students of outstanding academic achievement.

Doctoral Level

Saied Hemati

Doctor of Philosophy

Electrical Engineering

Yuliya Martsynyuk

Doctor of Philosophy

Mathematics

Heidi Marie Rimke

Doctor of Philosophy

Sociology

Devrim Sezer
Doctor of Philosophy
Political Science

Master's Level
Wanda Michelle Carter
Master of Science
Earth Sciences

May Chazan
Master of Arts
Geography

Aaron Kombai Knoll
Master of Applied Science
Aerospace Engineering

Kevin Lloyd Young
Master of Arts
Political Science

Undergraduate Level
Sasha Jade Baskerville
Bachelor of Humanities
Highest Honours
Humanities and Classics and Religion

Ann Belinda Boekhoven
Bachelor of Arts
Highest Honours
Child Studies

Peter Sye Dykstra
Bachelor of Humanities
Highest Honours

Yamini Gopalapillai
Bachelor of Science
Highest Honours
Biochemistry and Biotechnology
Co-operative Education

Yi Lin
Bachelor of Computer Science
Highest Honours
Software and Computing
Co-operative Education

Scott A. Moynes
Bachelor of Computer Science
Highest Honours
Network Computing
Co-operative Education

HoKing Xu
Bachelor of Computer Science
Highest Honours
Software Engineering
Minor in Economics

Jennifer Zymantas
Bachelor of Science
Highest Honours
Biochemistry

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